

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of:
Moo Y. Park, et al.

Customer No.: 30827

Application No.: Not Yet Assigned

Confirmation No.: N/A

Filed: September 29, 2003

Art Unit: N/A

For: LIQUID CRYSTAL DISPLAY DEVICE AND
METHOD FOR MANUFACTURING THE
SAME

Examiner: Not Yet Assigned

INFORMATION DISCLOSURE STATEMENT (IDS)

MS Patent Application
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

Pursuant to 37 CFR 1.56, 1.97 and 1.98, the attention of the Patent and Trademark Office is hereby directed to the references listed on the attached PTO/SB/08. It is respectfully requested that the information be expressly considered during the prosecution of this application, and that the references be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

This Information Disclosure Statement accompanies the new continuation patent application submitted herewith. Copies of the listed references have been previously submitted in related case Serial No. 10/265,435 filed October 7, 2002.

In accordance with 37 CFR 1.97(g), the filing of this Information Disclosure Statement shall not be construed to mean that a search has been made or that no other material information as defined in 37 CFR 1.56(a) exists. In accordance with 37 CFR 1.97(h), the filing of this Information Disclosure statement shall not be construed to be an admission that any patent, publication or other information referred to therein is "prior art" for this invention unless specifically designated as such.

It is submitted that the Information Disclosure Statement is in compliance with 37 CFR 1.98 and the Examiner is respectfully requested to consider the listed references.

The Director is hereby authorized to charge any deficiency in the fees filed, asserted to be filed or which should have been filed herewith (or with any paper hereafter filed in this application by this firm) to our Deposit Account No. 50-0911, under Order No. 8733.954.00-US. A duplicate copy of this paper is enclosed.

Dated: September 29, 2003

Respectfully submitted,

By 

Rebecca Goldman Rudich

Registration No.: 41,786

MCKENNA LONG & ALDRIDGE LLP
1900 K Street, N.W.
Washington, DC 20006
(202) 496-7500
Attorney for Applicant

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO				Complete if Known	
				Application Number	10/265,435
				Filing Date	October 7, 2002
				First Named Inventor	Moo Yeol PARK et al.
				Art Unit	2871
				Examiner Name	Minh Toan TON
Sheet	1	of	3	Attorney Docket Number	8733.704.00

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number Number-Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
AA	3978580-		09-07-1976	Leupp et al.	
AB	4653864-		03-31-1987	Baron et al.	
AC	4775225-		10-04-1988	Tsuboyama et al.	
AD	5263888-		11-23-1993	Ishihara et al.	
AE	5379139-		01-03-1995	Sato et al.	
AF	5406989-		04-18-1995	Abe	
AG	5499128-		03-12-1996	Hasegawa et al.	
AH	5507323-		04-16-1996	Abe	
AI	5539545-		07-23-1996	Shimizu et al.	
AJ	5548429-		08-20-1996	Tsujita	
AK	5680189-		10-21-1997	Shimizu et al.	
AL	5757451-		05-26-1998	Miyazaki et al.	
AM	5852484-		12-22-1998	Inoue et al.	
AN	5854664-		12-29-1998	Inoue et al.	
AO	5861932-		01-19-1999	Inata et al.	
AP	5952678-		09-14-1999	Ashida	
AQ	5956112-		09-21-1999	Fujimori et al.	
AR	6001203-		12-14-1999	Yamada et al.	
AS	6016181-		01-18-2000	Shimada	
AT	6219126-B1		04-17-2001	von Gutfeld	
AU	6236445-B1		05-22-2001	Foschaar et al.	
AV	6337730-B1		01-08-2002	Ozaki et al.	

Examiner Signature	Date Considered
--------------------	-----------------

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO				C mpt te if Kn wn	
				Application Number	10/265,435
				Filing Date	October 7, 2002
				First Named Inventor	Moo Yeol PARK et al.
				Art Unit	2871
				Examiner Name	Minh Toan TON
Sheet	2	of	3	Attorney Docket Number	8733.704.00

FOREIGN PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Foreign Patent Document Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
BA	JP-57038414-	03-03-1982	Oishi Naoki et al.		T ⁶
BB	JP-57088428-	06-02-1982	Ogasawara Tsutomu		
BC	JP-58027126-	02-17-1983	Mimizuka Takao		
BD	JP-60164723-	08-27-1985	Sakai Tooru		
BE	JP-60217343-	10-30-1985	Kawasaki Kiyohiro		
BF	JP-61007822-	01-14-1986	Okada Shinjiro		
BG	JP-61055625-	03-20-1986	Yamamoto Norio et al.		
BH	JP-62089025-	04-23-1987	Hisamitsu Shinji et al.		
BI	JP-62090622-	04-25-1987	Hachiman Akihiro et al.		
BJ	JP-62205319-	09-09-1987	Tsuboyama Akira et al.		
BK	JP-63109413-	05-14-1988	Koike Yoshiro		
BL	JP-63110425-	05-14-1988	Onishi Motoi		
BM	JP-63128315-	05-31-1988	Eguchi Toshiyasu		
BN	JP-63311233-	12-20-1988	Abe Yoko et al.		
BO	JP-05127179-	05-25-1993	Fujimura Hiroshi		
BP	JP-05265011-	10-15-1993	Matsushita Katsuki		
BQ	JP-05281557-	10-29-1993	Furukawa Hisao et al.		
BR	JP-05281562-	10-29-1993	Yamada Satoshi et al.		
BS	JP-06051256-	02-25-1994	Sonoda Koji et al.		
BT	JP-06148657-	05-27-1994	Yamamoto Yoshinori et al.		
BU	JP-06265915-	09-22-1994	Minafuji Hirotada et al.		
BV	JP-07128674-	05-19-1995	Okazaki Yoshiyuki et al.		
BW	JP-07181507-	07-21-1995	Furushima Teruhiko		
BX	JP-08095066-	04-12-1996	Nishiyama Kazuhiro et al.		
BY	JP-08106101-	04-23-1996	Koike Yoshiro et al.		
BZ	JP-08171094-	07-02-1996	Houchiyou Shinji et al.		
BA1	JP-08190099-	07-23-1996	Koike Yoshiro et al.		
BB1	JP-08240807-	09-17-1996	Koike Yoshiro et al.		
BC1	JP-09005762-	01-10-1997	Okada Hiroyuki		
BD1	JP-09026578-	01-28-1997	Tashiro Kunihiro et al.		
BE1	JP-09073075-	03-18-1997	Nakajima Junji et al.		
BF1	JP-09073096-	03-18-1997	Matsukawa Hideki et al.		
BG1	JP-09127528-	05-16-1997	Tashiro Kunihiro et al.		
BH1	JP-09230357-	09-05-1997	Furushima Teruhiko		
BI1	JP-09281511-	10-31-1997	Tashiro Kunihiro et al.		
BJ1	JP-09311340-	12-02-1997	Yamada Satoshi		
BK1	JP-10123537-	05-15-1998	Egami Norihiko et al.		
BL1	JP-10123538-	05-15-1998	Matsukawa Hideki et al.		
BM1	JP-10142616-	05-29-1998	Abe Hideyuki et al.		
BN1	JP-10221700-	08-21-1998	Tashiro Kunihiro et al.		
BO1	JP-10282512-	10-23-1998	Abe Hideyuki		
BP1	JP-11014953-	01-22-1999	Iwane Takahiro		
BQ1	JP-11038424-	02-12-1999	Tashiro Kunihiro et al.		

Examiner Signature	Date Considered
--------------------	-----------------

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO				Complete if Known	
				Application Number	10/265,435
				Filing Date	October 7, 2002
				First Named Inventor	Moo Yeol PARK et al.
				Art Unit	2871
				Examiner Name	Minh Toan TON
Sheet	3	of	3	Attorney Docket Number	8733.704.00

BR1	JP-11064811-	03-05-1999	Sakai Naoto		
BS1	JP-11109388-	04-23-1999	Taniguchi Yuzo et al.		
BT1	JP-11174477-	07-02-1999	Nishinaka Katsuki et al.		
BU1	JP-11212045-	08-06-1999	Sumida Shirou		
BV1	JP-11344714-	12-14-1999	Ozaki Masaaki et al.		
BW1	JP-2000029035-	01-28-2000	Suzuki Naoya et al.		
BX1	JP-2001117105-	04-27-2001	Takase Takeshi		
BY1	JP-2001133794-	05-18-2001	Kojima Kazuyuki		
BZ1	JP-2001142074-	05-25-2001	Imabayashi Makiko et al.		
BA2	JP-2001147437-	05-29-2001	Watanabe Makoto et al.		
BB2	JP-2001154211-	06-08-2001	Tanaka Yuichiro et al.		
BC2	JP-2001255542-	09-21-2001	Yamamoto Yuichi		
BD2	JP-2001264782-	09-26-2001	Oshima Nobumasa et al.		
BE2	JP-2001330840-	11-30-2001	Ogino Hisaaki et al.		
BF2	JP-2001356354-	12-26-2001	Okada Hiroyuki et al.		
BG2	JP-2002014360-	01-18-2002	Egami Norihiko et al.		
BH2	JP-2002023176-	01-23-2002	Yamazaki Koji		
BI2	JP-2002049045-	02-15-2002	Sasaki Takeshi		
BJ2	JP-2002082340-	03-22-2002	Suzuki Sadaichi et al.		
BK2	JP-2002090759-	03-27-2002	Nakahama Koji		
BL2	JP-2002090760-	03-27-2002	Egami Norihiko		
BM2	JP-2002107740-	04-10-2002	Morimoto Mitsuaki		
BN2	JP-2002122872-	04-26-2002	Tajima Tetsuo et al.		
BO2	JP-2002122873-	04-26-2002	Toko Yasuo		
BP2	JP-2002080321-	06-27-2002	Sugimura Hiroyuki et al.		
BQ2	JP-2002202512-	07-19-2002	Toyama Akimasa		
BR2	JP-2002202514-	07-19-2002	Yamada Satoshi et al.		
BS2	JP-2002214626-	07-31-2002	Sanada Shinichi		
BT2	JP-6160871-	06-07-1994	Yamamoto Yoshinori et al.		

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant

¹ Applicant's unique citation designation number (optional). ² See attached Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the application number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS			
Examiner Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.

Examiner Signature	Date Considered
--------------------	-----------------

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO				C mplete if Known	
				Application Number	10/265,435
				Filing Date	October 7, 2002
				First Named Inventor	Moo Yeol PARK et al.
				Art Unit	2871
				Examiner Name	TBA
Sheet	1	of	2	Attorney Docket Number	8733.704.00

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
	AA	4,094,058-	06-13-1978	Yasutake et al.	
	AB	4,691,995-	09-08-1987	Yamazaki et al.	
	AC	5,247,377-	09-21-1993	Omeis et al.	
	AD	5,511,591-	04-30-1996	Abe	
	AE	5,642,214-	06-24-1997	Ishii et al.	
	AF	5,742,370-	04-21-1998	Kim et al.	
	AG	5,875,922-	03-02-1999	Chastine et al.	
	AH	6,011,609-	01-04-2000	Kato et al.	
	AI	6,016,178-	01-18-2000	Kataoka et al.	
	AJ	6,055,035-	04-25-2000	von Gutfeld et al.	
	AK	6,163,357-	12-19-2000	Nakamura	
	AL	6,226,067-	05-01-2001	Nishiguchi et al.	
	AM	6,304,306-	10-16-2001	Shiomi et al.	
	AN	6,304,311-B1	10-16-2001	Egami et al.	
	AO	6,414,733-	07-02-2002	Ishikawa et al.	
	AP	US 2001/0021000-A1	09-13-2001	Egami	

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)				
	BA	EP-1003066-A1	05-24-2000	Egami et al.		
	BB	JP-05-154923-	06-22-1993	Fukuo et al.		
	BC	JP-06-313870-	11-08-1994	Fukuo et al.		
	BD	JP-06-235925-	08-23-1994	Katsuya		
	BE	JP-07-084268-	03-31-1995	Hiroshi et al.		
	BF	JP-08-101395-	04-16-1996	Satoru et al.		
	BG	JP-09-061829-	03-07-1997	Satoru et al.		
	BH	JP-10-177178-	06-30-1998	Shinichi et al.		
	BI	JP-10-333157-	12-18-1998	Takayuki et al.		
	BJ	JP-10-333159-	12-18-1998	Takayuki et al.		
	BK	JP-11-133438-	05-21-1999	Shinichi et al.		
	BL	JP-11-142864-	05-28-1999	Takashi et al.		
	BM	JP-11-248930-	09-17-1999	Satoru et al.		
	BN	JP-11-326922-	11-26-1999	Yuji		
	BO	JP-51-065656-	06-07-1976	Yoichi		
	BP	JP-59-057221-	04-02-1984	Yoshio et al.		
	BQ	JP-59-195222-	11-06-1984	Osamu		
	BR	JP-60-111221-	06-17-1985	Masanori et al.		
	BS	JP-2000-002879-	01-07-2000	Masaki		
	BT	JP-2000-056311-	02-25-2000	Satoru et al.		
	BU	JP-2000-066165-	03-03-2000	Koji et al.		
	BV	JP-2000-137235-	05-16-2000	Norihiko et al.		

Examiner Signature		Date Considered	
--------------------	--	-----------------	--

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO				C mplete if Known	
				Application Number	10/265,435
				Filing Date	October 7, 2002
				First Named Inventor	Moo Yeol PARK et al.
				Art Unit	2871
				Examiner Name	TBA
Sheet	2	of	2	Attorney Docket Number	8733.704.00

FOREIGN PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)			
BW	JP-3000-147528-		05-24-2000	Nobutaka et al.	
BX	JP-2000-193988-		07-14-2000	Taiji et al.	
BY	JP-2000-241824-		09-08-2000	Masanori et al.	
BZ	JP-2000-284295-		10-13-2000	Satoshi et al.	
BA1	JP-2000-292799-		10-20-2000	Yoshiteru et al.	
BB1	JP-2000-310759-		11-07-2000	Norihiro	
BC1	JP-2000-310784-		11-07-2000	Kazuo et al.	
BD1	JP-2000-338501-		12-08-2000	Hideaki	
BE1	KR-2000-0035302-A1		06-26-2000	Yoshihiro	
BF1	JP-2001-005401-		01-12-2001	Kiyoshi et al.	
BG1	JP-2001-005405-		01-12-2001	Satoshi et al.	
BH1	JP-2001-013506-		01-19-2001	Seiji et al.	
BI1	JP-2001-033793-		02-09-2001	Shinichiro et al.	
BJ1	JP-2001-042341-		02-16-2001	Masayuki et al.	
BK1	JP-2001-051284-		02-23-2001	Norihiro	
BL1	JP-2001-066615-		03-16-2001	Katsuki et al.	
BM1	JP-2001-091727-		04-06-2001	Koji et al.	
BN1	JP-2001-117109-		04-27-2001	Hideki et al.	
BO1	JP-2001-133745-		05-18-2001	Satoshi et al.	
BP1	JP-2001-133799-		05-18-2001	Satoshi	
BQ1	JP-2001-166272-		06-22-2001	Kiyoshi et al.	
BR1	JP-2001-166310-		06-22-2001	Takashi et al.	
BS1	JP-2001-183683-		07-06-2001	Akinori et al.	
BT1	JP-2001-201750-		10-04-2001	Kazuyuki et al.	
BU1	JP-2001-209052-		08-03-2001	Hideaki	
BV1	JP-2001-209060-		08-03-2001	Yoshiro et al.	
BW1	JP-2001-215459-		09-13-2001	Norihiro	
BX1	JP-2001-222017-		08-17-2001	Kunihiro et al.	
BY1	JP-2001-235758-		08-31-2001	Katsuki	
BZ1	JP-2001-272640-		10-05-2001	Kuniaki	
BA2	JP-2001-281675-		10-10-2001	Yutaka et al.	
BB2	JP-2001-281678-		10-04-2001	Hiroyuki et al.	
BC2	JP-2001-282126-		10-12-2001	Masayuki et al.	
BD2	JP-2001-305563-		10-31-2001	Akira et al.	
BE2	JP-2001-330837-		11-30-2001	Kazufumi	
BF2	JP-2001-356353-		12-26-2001	Satoshi et al.	
Examiner Signature				Date Considered	

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant

¹Applicant's unique citation designation number (optional). ²See attached Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the application number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached.

Notice of References CitedApplication/Control No.
10/265,435Applicant(s)/Patent Under
Reexamination
PARK ET AL.Examiner
Toan TonArt Unit
2871

Page 1 of 1

U.S. PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Name	Classification
X	A	US-6,327,015	12-2001	Awane et al.	349/158
X	B	US-6,181,405	01-2001	Izumi, Yoshihiro	349/153
X	C	US-5,410,423	04-1995	Furushima et al.	349/190
	D	US-			
	E	US-			
	F	US-			
	G	US-			
	H	US-			
	I	US-			
	J	US-			
	K	US-			
	L	US-			
	M	US-			

FOREIGN PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Country	Name	Classification
	N					
	O					
	P					
	Q					
	R					
	S					
	T					

NON-PATENT DOCUMENTS

*		Include as applicable: Author, Title Date, Publisher, Edition or Volume, Pertinent Pages)
	U	
	V	
	W	
	X	

*A copy of this reference is not being furnished with this Office action. (See MPEP § 707.05(a).)
Dates in MM-YYYY format are publication dates. Classifications may be US or foreign.